

# Curriculum Vitae

## Gopal Ji

Home: 'Nand Vila'

H.NO. S-16/33 B-3 A Kadipur, Shivpur

Varanasi, Uttar Pradesh, India

Pin Code: 221003

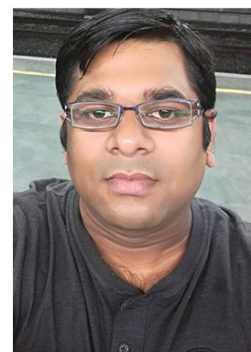
E-Mail: [gopal.ji@vub.ac.be](mailto:gopal.ji@vub.ac.be), [gopal.ji@gmail.com](mailto:gopal.ji@gmail.com)

Phone: +91-9628890414, Skype ID-gopalji2016

Scopus ID: 53979892100, ORCID ID: 0000-0003-1545-9079

Google scholar ID: nUUqXoIAAAAJ, H-index-10, I-Index-10

D.O.B.: Nov. 14, 1984, Marital Status: Married, Children-No



## Research Profile

---

- First rate knowledge of electrochemical techniques used for corrosion testing, Impedance spectroscopy, Tafel Polarization curves, linear polarization resistance.
- Expert in Odd Random Phase Multisine Impedance spectroscopy (ORP-EIS).
- Good working knowledge of material and surface characterization techniques, such as, SEM, AFM, SKPFM, XRD, EDX, UV-visible, Raman and FTIR spectroscopy.
- Having proper knowledge of polymer synthesis, spin coating and Floating film Transfer method (FTM).
- Also familiar with local electrochemical technique (SVET).
- Ability of independent working, innovative thinking and working hard to achieve set goals.
- Have strong analytical, presentation and communication skills.

## Academic Profile

---

**Ph.D** – I have completed my Ph.D in 2015 from School of Materials Science and Technology, Indian Institute of Technology (IIT), BHU, Varanasi, India. **Topic:** 'Inhibitive Effects of the Natural organic products on Mild Steel Corrosion in Acid Media, **Grade: 8.75/10.**

**M.Tech** – I have completed M.Tech in Materials Science and Technology School of Materials Science and Technology, IIT (BHU), Varanasi, India in year 2011. **Topic:** 'Evaluative study of the effect of Plant's Extracts on Mild Steel for the Purpose of Corrosion Inhibition in Acidic Environment', **Grade: 7.97/10.**

**B.Tech** – I have completed B.Tech in Mechanical engineering from Madan Mohan Malviya University of Technology (U.P. state govt., Gorakhpur), India in year 2009. **Topic:** 'Design and fabrication of Winnowing Fan', **Percentage: 65.32.**

**Diploma** – I have completed Diploma in Mechanical engineering from IERT, Allahabad, affiliated to Department of Technical Education India, in year 2006. **Topic:** 'Establishment of a small scale industry for Manufacturing of Winnowing Fan', **Percentage: 78.50.**

## Research Interests

---

Corrosion inhibitors, Waste natural products as inhibitors, Organic coatings for corrosion prevention, atmospheric corrosion and corrosion analysis of metals.

## Teaching Interests

---

Theory of Machines, Corrosion Science and Material Science.

## Awards, Scholarships and Achievements

---

- Best poster award at Kyushu Institute of Technology (KIT), JAPAN in 2011.
- JASSO-SS scholarship provided by Japan government for research work in Kyushu Institute of Technology, JAPAN, Oct-Dec 2011.
- JRF by MHRD during M.Tech (GATE, 2009, ME, Score-343, AIR-3096).
- SRF by UGC in PhD from Sept 2011 to Jun 2012.
- SRF by MHRD in PhD from Jul 2012 to Feb 2015.
- International Travel grant by DST India in 2013.
- Selected as Junior engineer in 'Tata Telecon' after completion of diploma.
- Selected as Junior engineer in 'Escorts limited' after completion of diploma.
- Acquired 25<sup>th</sup> state rank in UPTU B.Tech entrance exam.

## Professional Experience (Teaching and Research)

---

- Oct 2017-Current: Independently working as research scientist in School of materials science and technology, IIT (BHU) Varanasi with my PhD supervisor.
- Oct 2015-Sept 2017: Post doctoral research fellow in Vrije University Brussels, Belgium. This work was a research project of Bekaert N.V. Belgium (manufacturer of steel wire).
- Jun 2017-Aug 2017: completed short term project of 3 month for PROVIRON, Netherlands on deicing chemicals for aircrafts.
- Apr 2017-May 2017: completed a short project for ACOTEC, Belgium on microbial corrosion of steel.
- Worked as laboratory instructor of polymer and corrosion lab during my PhD for M.Tech and B.Tech students.
- I have been actively involved in research rather than in teaching during my academic and professional career.

## Selected Publications

---

- M.K. Singh, R.K. Gauatm, **G.Ji**, **Results in Physics**, 2019, 13, 102319. **(I.F.-2.147)**
- Nikhil, **G. Ji**, R. Prakash, **J. Moleq. Liq.**, 2019,280, 160-172 **.(I.F.-4.513)**
- S. Pal, H. Lagaz, P. Tiwari, III-ming Chung, **G. Ji**, R. Prakash, **J. Moleq. Liq.**, 2019,276, 347-361 **.(I.F.-4.513)**
- P. Tiwari., M. Srivastava, R. Mishra. **G.Ji.**, R.Prakash, **J. Environ. Chem. Engg.**, 2018, 6, 4773,-4783. **.(I.F.-N.A)**

- M. Tiwari, V.K. Gupta, R.A. Singh, **G.Ji**, R.Prakash, *ACS Omega*, 2018, 3. 4081-4093. **(I.F.-N.A)**
- **G. Ji**, L.F. Macia, B. Allaert, A. Hubin, H.Terryn, *J. Electrochem. Soc.*, 2018, 165, C246-C257 **(I.F.-3.662)**
- M. Srivastava, P. Tiwari., S.K. Srivastava., A. Kumar, **G. Ji**, R Prakash, *J. Moleq. Liq.*, 2018, 254, 357-368.**(I.F.-4.513)**
- M.K. Singh, R.K. Gautam, R. Prakash, **G.JI**, IOP conference series *Materials Science and Engineering*,2018, 330, doi:10.1088/1757-899X/330/1/012021
- M. Srivastava, P. Tiwari., S.K. Srivastava, R Prakash, **G. Ji**, *J. Moleq. Liq.*, 2017, 236, 184-197.**(I.F.-4.513)**
- **G Ji**, P Dwivedi, S Sundaram, R Prakash, *Res. Chem. Intermed.*, 2016, 42,439-459. **(I.F.-1.674)**
- **G Ji**, P Dwivedi, S Sundaram, R Prakash; *Corrosion Science*, 2015, 90,107-117.**(I.F.-4.862)**
- **G Ji**, P Dwivedi, S Sundaram, R Prakash.; *Ind. Eng. Chem. Res.* 2013,52,10673-10681. **(I.F.- 3.141)**
- **G Ji**, S.K. Shukla, P Dwivedi, S Sundaram, R Prakash, *Ind. Eng. Chem. Res.* 2011,50,11954-11959. **(I.F.- 3.141)**
- A.K Singh., **G Ji**, R Prakash, E.E. Ebneso, A.K. Singh, *Int. J. Electrochem. Sci.*. 2013,8,9442-9448. **(I.F.-1.369)**
- **G Ji**, S.K. Shukla, P Dwivedi, S Sundaram, E.E. Ebenso, R Prakash.,*Int. J. Electrochem. Sci.* 2013, 8,10878-10889. **(I.F.-1.369)**
- **G Ji**, S.K. Shukla, P Dwivedi, S Sundaram, E.E. Ebenso, R Prakash, *Int. J. Electrochem. Sci.* 2012,7, 9933-9945. **(I.F.-1.369)**
- **G Ji**, S.K. Shukla, P Dwivedi, S Sundaram, E.E. Ebenso, R Prakash, *Int. J. Electrochem. Sci.*2012,7, 12146-12158. **(I.F.-1.369)**

### **Presentations/Conferences/Posters**

---

- EUROCORR, 2017, Prague, Chezh republic.
- APCCC17, 2016, IIT Bombay, India.
- NTC, 2016, IIT BHU Varanasi, India.
- CORCON 2013, NACE International India Section, New Delhi.
- NACE international East Asia and Pacific Rim area conference & expo, 2013 Kyoto, Japan.
- Indo-US workshop on electro catalytic materials for fuels and bio-fuels, 2013, BHU, India.
- CORCON 2012, NACE International India Section, Goa.
- 7<sup>th</sup> International conference on Materials Science and Technology, 2012, Thailand.
- National Workshop on elctroactive materials, 2012, IIT BHU Varanasi, India.
- Indo-Japan Workshop, 2011, Himeji, Japan.

## Availability as Reviewer

---

- Corrosion Science, Elsevier.
- Journal of Material Science, Springer.
- Measurement, Elsevier.
- Carbohydrate Polymers.
- Journal of Molecular liquids, Elsevier.

## Extra Academic Activities

---

- I was a class representative throughout 3 year of diploma.
- Winning team member in college level Cricket tournament in diploma.
- Runner up team member in college level Dance Competition in diploma.
- Got consolation prize in 'Dumbs Charade' in diploma.
- I have participated in many singing competitions in diploma.
- I have organized one fresher and one farewell function of our 'TAP' society in diploma.
- Active member of Society for Automotive Engineers India in B.Tech.
- Active member of our class group in M.Tech.
- Social activities manger of our lab group throughout PhD.

## Languages

---

Fluent in English, Hindi (mother tongue) and Bhojpuri (regional language).

## Referees

---

**Dr. Savior A Umoren**, Research Professor,  
Centre of Research excellence in corrosion research institute,  
King FAHD University of Petroleum and Minerals,  
Dhahran 31261, Saudi Arabia  
Email- [Umoren@kfupm.edu.sa](mailto:Umoren@kfupm.edu.sa), [saumoren@gmail.com](mailto:saumoren@gmail.com)  
Contact No: +966533010989

**Dr. Rajiv Prakash**, Professor, (PhD Supervisor)  
School of Materials Science and Technology,  
Indian Institute of Technology,  
Banaras Hindu University, Varanasi - 221005, India.  
Email: [rajivprakash12@yahoo.com](mailto:rajivprakash12@yahoo.com)  
Contact No: (Mobile) 91-9935033011, (Off.) 91(0542)-2307047

**Dr. Ashish Singh**, Assistant Professor  
Department of Applied Science (Chemistry)  
Bharati Vidyapeeth's college of engineering  
New Delhi, India  
Email: [singhac@gmail.com](mailto:singhac@gmail.com)  
Conatct No: 917982756874

**“Idleness is to the human mind like rust to iron”**